

Docket Number: 071469-030467

Client Reference: RAJ-003A

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

NORIAKI FUKIAGE Group Art Unit: 1762

Application No.: 10/644,958 Examiner:

Filed: August 21, 2003 Confirmation No.: 7596

For: METHOD AND APPARATUS FOR DEPOSITING MATERIALS WITH TUNABLE

OPTICAL PROPERTIES AND ETCHING CHARACTERISTICS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. As this application was filed after June 30, 2003, no copies of the cited U.S. patents/patent applications/ are attached. However, one copy of each of the other references is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the references have been considered, per MPEP § 609.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits in this application. No certification or fee is required.

These references were cited in an International Search Report, dated February 4, 2005, in a corresponding foreign application. An English Abstract is provided for JP 09-148322 and is relied upon for a statement of relevance for the reference.

Most -

Respectfully Submitted,

Registration Number 35914 Customer Number: 00909

Date: February 23, 2005 PILLSBURY WINTHROP LLP Telephone: (703) 905-2000 Facsimile: (703) 905-2500

P.O. Box 10500 McLean, VA 22102



PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substi	itute for form 1449A/PTO		Complete if Known		
04501			Application Number	10/644,958	
IN	FORMATION DISC	LOSURE	Filing Date	08/21/2003	
	TATEMENT BY AP		First Named Inventor	NORIAKI FUKIAGE	
STATEMENT BY AFFEICANT			Art Unit	1762	
	(Use as many sheets as nece	ssarv)	Examiner Name		
heet	1	of 1	Attorney Docket Number	071469-0304673	

			U. S. PATENT		
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US- 4,960,488	10-02-1990	LAW et al.	
	2	US- 2003/0039951 A1	02-27-2003	CHEUNG et al.	
	3	^{US-} 5,669,976	09-23-1997	YUUKI et al.	
	4	^{US-} 2003/0109147 A1	06-12-2003	KIM et al.	
		US-			
		US-			
		US-			
	<u> </u>	US-			
		US-			
	<u> </u>	US-			
		US-			
	<u> </u>	US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1		ent Document ³⁻ Number ⁴⁻ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т6
	Α	JP	09-148322	06-06-1997	IZAWA		_
-							-

Examiner	Date	
Signature	Considered	
-		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patert and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08b (08-03)
Approved for use through 06/30/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for for	rm 1449B/PTO			Complete if Known			
				Application Number	10/644,958		
	MATION D			Filing Date	08/21/2003		
STATE	MENT BY	APPLIC	ANT	First Named Inventor	NORIAKI FUKIAGE		
				Art Unit	1762		
(Use as many sheets as necessary)				Examiner Name			
Sheet	1	of	1	Attorney Docket Number	071469-0304673		

NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.1						
	I	KUDOH ET AL., "Directional Plasma CVD Technology for Sub-Quarter Micrometer Feature Size Multilevel Interconnection," 1997 International Conference on Solid State Devices and Materials, Japan Society of Applied Physics (Hamamasu), p. 290-291, (Sept. 1997).					
	II	ANDOSCA, R.G. ET AL., "Silicon dioxide films deposited by electron cyclotron resonance plasma enhanced chemical vapor deposition," Journal of Applied Physics, Vol. 72 (No. 3), p. 1126-1132, (August 1, 1992).					
		~					

		
Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.